

ABSTRACT OF THE DISCLOSURE

Methods, systems, and computer program instructions for enabling users of pervasive devices to remotely access and manipulate information in ways that might otherwise be impossible or impractical because of inherent limitations of the device. The disclosed techniques enable a wide variety of data manipulation operations to be performed on behalf of the pervasive device, for a wide variety of content types. In preferred embodiments, no modifications or add-ons are required to the pervasive device.